



# Destiny Stereo Power Amplifier

## Operating Instructions

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Thank you for purchasing the Destiny Stereo Power Amplifier. You are now in possession of a State of the Art power amplifier. The function and operation of the Destiny Power Amplifier is very simple. However, the following notes are provided to explain all aspects of its design and use.

### Mains Connection

After unpacking the amplifier please keep the packing material in a safe place for possible future use. In the pack there is a separate mains cable suitable for connecting to the mains supply in the country of use. The IEC socket end of the cable should be firmly inserted into the connector on the rear panel marked "Mains Input". Remember, do not overload the mains wall socket with too many plugs or adaptors. The high quality performance of the amplifier will be impaired if the electrical supply to it is in poor condition. If in doubt, consult a qualified electrician or your dealer.

The "Mains Input" connection is also fitted with two fuses, specifically suited to the supply voltage of the country of use. The correct value is clearly marked on the rear panel next to the Mains Input. Should it be necessary to replace the fuse, ensure that you use the same type as specified on the rear panel, i.e. 5 x 20mm cartridge type:

**T 3.15 A surge resisting for 220-240V 50Hz AC,**

**T 6.3 A surge resisting for 110-120V 60Hz AC**

**T 8A surge resisting for 100V (Japan)**

### Power Consumption

It is appreciated by Hi-Fi enthusiasts that leaving equipment powered up continuously can improve the performance. However this small improvement in sound quality comes at the expense of higher power consumption from the mains, which will not only cost more but will also reduce the working life of the Destiny Stereo Power Amplifier..

We recommend that if the equipment is not being used for an extended period of time, switch it off from the mains switch on the rear panel. Normal performance can be achieved in a short period of time.

### Set-up

To obtain the best results, make sure that the Destiny Stereo Power Amplifier is placed on a stable shelf or Hi-Fi equipment rack, such as the Creek Audio Rack. It is important to allow adequate ventilation to the heatsink in the centre of the amplifier, so avoid obstructing the ventilation slots on the top and bottom of the case. It will be necessary to place the amplifier on the top of other equipment to allow for this. Always have the volume control set at minimum on your pre-amp or integrated amp when switching on and off, to avoid any sudden loud noises.

### Operating the Destiny Stereo Power Amplifier (Quick set-up)

Connect an input signal from a Pre-Amplifier or Integrated Amplifier from the Pre-Amp output to the Destiny Stereo Power Amplifier input using a high grade interconnect cable. Connect loudspeakers to the screw terminals on the rear panel of the Destiny Stereo Power Amplifier using high grade speaker cables. Switch the amplifier on with the rear panel switch next to the power cord, marked 0 for off and 1 for on. Press the push button marked Standby on the right hand side of the front panel. Select the desired input using the selector button on the rear panel next to the input sockets. Select the desired loudspeaker output from the front panel. Turn the volume to the desired level on the Pre-Amp or Integrated Amplifier and enjoy the music.

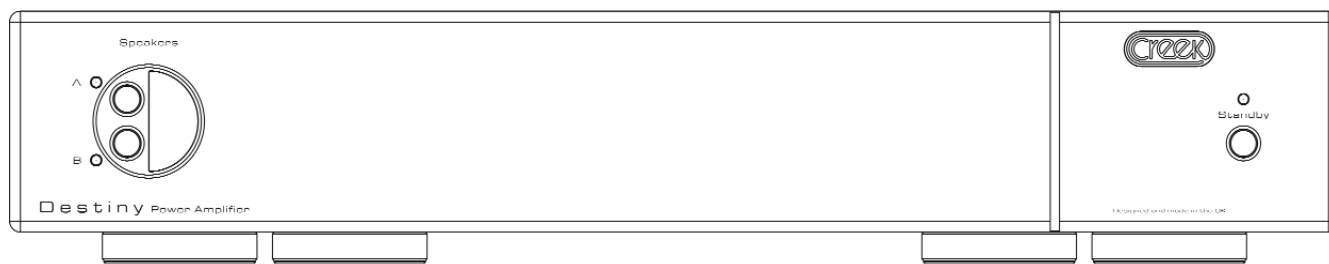
All these settings will be remembered by the Destiny Stereo Power amplifier the next time you switch it on.

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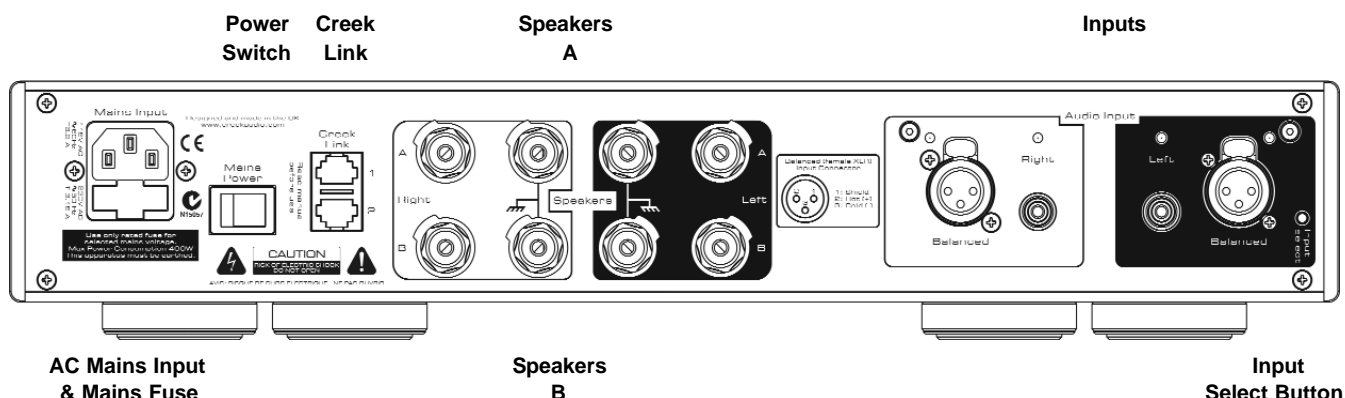
## Front Panel

### Speaker Selector Switching

Standby



## Rear Panel



## Input Connection & Switching

The push button switches on the left-hand side of the rear panel marked Input are used to select and listen to either of two inputs. The Destiny Stereo Power Amplifier has both un-balanced sockets via RCA sockets and balanced inputs via XLR sockets.

To select the desired input, press the button to toggle between the inputs, as indicated by LED's above the sockets. For additional information and options for Destiny products, ask your dealer for full details or view Creek's website [www.creekaudio.com](http://www.creekaudio.com). You may also write to [technical@creekaudio.com](mailto:technical@creekaudio.com)

## Pre/power Connections

The Destiny Stereo Power Amplifier input is available through RCA and/or XLR sockets on the rear panel. This is helpful if you wish to bi-amp the Destiny Integrated Amplifier. The default setting from the factory is for the RCA sockets to be selected.

The RCA inputs connect the source to the input of the Destiny Stereo Power Amplifier in passive mode. That is to say, there is no additional circuitry involved. However the XLR inputs are there to allow a balanced source to be connected to the power amplifier. This is achieved internally via a balanced to unbalanced converter, which is an active circuit. If required the XLR input can be used as a second un-balanced input if the connection is made to one or other sides of the XLR input (hot or cold).

To select the desired sockets press the input select button on the rear panel. An LED will light above the socket which is selected. NB: Switch the amplifier off before making any changes in order to avoid any pops, clicks or other unwanted noises.

## Loudspeaker Connections

The loudspeakers should be connected to the terminals marked 'A' using a suitable pair of cables designed specifically for audio use. High grade touch proof terminals on the rear panel allow for 4mm plugs, bare wire or spade lugs to be connected. Tighten the terminal fully after fitting the speaker wire. Please consult your dealer for advice if you are unsure. It is very important to connect the loudspeakers to the loudspeaker terminals in the correct phase. Cables are normally polarised with a line or raised bump on the positive side. If one channel is not connected in the same polarity as the other, a severe loss of bass performance and a spreading of the stereo image will result.

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A second set of terminals marked 'B' allows the user to select from the loudspeaker push buttons on the left side of the front panel. The options include Speakers Off (when using headphones), Speakers A, Speakers B or Speakers A+B together. It is **NOT** recommended to use loudspeakers of less than 4 Ohms resistance or more than 2 pairs of 8 Ohm speakers running in parallel from the amplifier at one time. However bi-wiring of one pair of speakers using the four terminal posts per channel can improve the sound of your system (Consult your dealer for more details).

**IMPORTANT** Do not short the loudspeaker cables together when the other ends are still connected to the amplifier, as permanent damage can result. If it is necessary to move or change the location of the loudspeakers, make sure that you first switch off the amplifier from the mains, or select Standby.

### LED Indicators

When the Destiny Stereo Power Amplifier is first switched on, the power LED will glow orange while in Standby. By waking the amplifier from Standby, the LED will then turn green. When using this power amplifier in conjunction with the Creek Destiny Integrated Amplifier, pressing the MUTE button on the Creek SRC2 system remote handset will cause the speaker selection LED's to turn orange. Pressing the button again will un-mute the amplifier and the LED's will turn green again.

Please note that muting can only be cleared by the Creek SRC2 system remote handset or by pressing the power amplifier standby switch.

If the amplifier stops working and the Power LED turns red, it indicates a fault. Return the amplifier to the supplying dealer for inspection.

### Remote Control

The Creek SRC2 System Remote Control handset supplied with the Destiny Integrated Amplifier and Destiny source products allows the user to operate the Destiny Stereo Power Amplifier power on/off, loudspeaker selection and mute by an infra-red signal using standard Philips RC5 codes.

### Protection Modes

The Destiny Stereo Power Amplifier has a sophisticated, computer controlled, protection mechanism against over-temperature, over-current drive and output DC offset.

If the amplifier is driven hard for a long time and has insufficient ventilation, or if the ambient temperature is high, the signal will be muted to enable the amplifier to cool down to an acceptable working temperature. If the output load is too low and the input signal too high it will overdrive the amplifier. So, for a short period of time, the amplifier will be muted. Reducing the input level will restore the correct operation.

If direct current (DC) is input to the Destiny Stereo Power Amplifier, it will sense this and cause the output to be disconnected, to avoid damaging the voice coil of the loudspeakers. In the event of a failure of the amplifier, the speaker output and/or the mains supply will be disconnected. This may require it to be returned to the dealer for servicing. Please check with the dealer first for advice.

### Creek Link

Destiny products have a special (CAN bus) serial link to enable them to be joined together and controlled and viewed from a remote location, such as another room. This will require an optional CAN to RS232 adapter and proprietary room controller. Check Creek's website for release date details.

### Radio Interference

The Destiny Stereo Power Amplifier is designed to work properly in normal domestic operating conditions. However the amplifier's performance may be affected if sited near to a radio transmitter such as a mobile phone etc. Re-siting the amplifier or the radio transmitter will normalise the situation.

Your Destiny Stereo Power Amplifier is designed to give you years of reliable use. If you need more assistance, it is always advisable to go back to the supplying dealer for his expert help. If you are unfortunate enough to need service work to be carried out on your amplifier, it should be returned to your dealer in the original packing if possible.

## Destiny Stereo Power Amplifier

### SPECIFICATION

Measured at 230 V or 115 V

Not recommended for use into more than 2 pairs of 8Ω loudspeakers

Power Output into 8Ω (both channels driven) @ rated mains voltage	>100 Watts
Dynamic Power into 8Ω	>150 Watts
Power Output into 4Ω (both channels driven)	>160 Watts
Dynamic Power into 4Ω	>250 Watts
Dynamic Power into 2Ω	>380 Watts
Dynamic Power into 1Ω Limited by protection	>250 Watts
Total Harmonic distortion (20 Hz to 20 kHz)	< 0.02%
Frequency Response -1dB	1 Hz to 30 kHz
-3dB	0.1 Hz to 65 kHz
Slew Rate	> 50 V per μS
Gain in passive unbalanced mode	x 48 ( 33.6 dB )
Input Sensitivity for 100W into 8Ω	589 mV
Input Impedance unbalanced input	60 k Ω
Output Impedance 100 Hz @10 W - 8Ω	> 0.034 Ω
Damping Factor	> 235
Signal to Noise Ratio ('A' weighted re 0 dB)	> 78 dB
Separation (Crosstalk @ 1 kHz)	> 60 dB
Maximum Power Consumption	400 Watts
Inputs -	2 inputs switchable
Passive unbalanced	Via gold plated RCA sockets
Active balanced	Via locking XLR sockets
Standby Power Consumption	> 1 Watt
Loudspeaker Outputs	Switchable A + B
Switchable mains voltage selector	115/230 V AC external
Weight (net)	10 kgs 22 lbs
Size (W x H x D) mm	430 x 70 x 280 mm
inches	17" x 2.4" x 11"
SRC2 Remote control functions (Power/Speakers/Mute)	Supplied with Destiny Integrated Amplifier

### MAINS VOLTAGE AND FREQUENCY IN INTERNALLY SET FOR THE COUNTRY OF USE

*Creek Audio Ltd reserves the right to change or modify the specification of its products without prior warning*

### Warranty

If within two years of purchase date your Destiny product proves to be defective for any reason other than accident, misuse, neglect, unauthorized modification, or fair wear and tear, Creek Audio Ltd. will, at its discretion, replace the faulty parts without charge for labour or return carriage within the U.K. This warranty is valid only in the U.K. and given in addition to statutory rights. Service enquiries outside the U.K. should be addressed first to the supplying dealer and/or the Creek distributor/importer. Warranties granted in these countries are entirely at the discretion of the distributor.

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